Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/13/2021 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123931	-1	1.26	123826	1.22
Blue	F	SSC	125000	124180	-1	2.88	124462	2.67
Blue	E	FITC	13131	12834	-3	2.26	295	14.83
Blue	D	PE	24112	23783	-2	1.62	546	10.32
Blue	B	PerCP-Cy5-5	31295	30454	-3	2.94	1010	13.85
Blue	A	PE-Cy7	19939	19656	-2	5.05	529	27.60
Red	C	APC	42122	41605	-2	2.98	1746	11.25
Red	A	APC-Cy7	22340	21626	-4	3.21	811	11.32
Violet	B	V450	7410	7066	-5	4.21	434	12.24
Violet	A	V500	28118	26757	-5	3.83	671	9.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22925	0.88	558	-11	N/A	N/A	Pass
Blue	F	SSC	57924	1.08	510	-2	N/A	N/A	Pass
Blue	E	FITC	54	53.22	481	-6	0.0490	142	Pass
Blue	D	PE	115	36.16	483	-5	0.5024	373	Pass
Blue	B	PerCP-Cy5-5	188	34.30	578	-8	0.0222	75	Pass
Blue	A	PE-Cy7	105	63.26	620	-8	0.0241	0	Pass
Red	C	APC	403	23.22	576	0	0.0285	136	Pass
Red	A	APC-Cy7	181	26.87	548	-3	0.0067	1059	Pass
Violet	B	V450	61	61.35	453	0	0.0709	2540	Pass
Violet	A	V500	97	32.23	464	-1	0.0273	636	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.09	-31.87	1.06
Blue	20.36	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.41
Red	16.66	13.60 - 20.40	N/A	N/A	30.29	30.48	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12958

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments